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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,706	11/24/2003	Manabu Sawasaki	1324.66570	5369
7590 01/07/2005				
Patrick G. Burns, Esq. GREER, BURNS & CRAIN, LTD. Suite 2500 300 South Wacker Drive Chicago, IL 60606		EXAMINER DI GRAZIO, JEANNE A		
		ART UNIT 2871 PAPER NUMBER		

DATE MAILED: 01/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/720,706

Applicant(s)

SAWASAKI ET AL.

Examiner

Jeanne A. Di Grazio

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2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-40 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

This application contains the following patentably distinct species of the claimed invention:

Species A1, Figure 2, a first basic configuration of a substrate for a liquid crystal display, drawn to a liquid crystal display wherein resin color filter layers are formed between pixel electrodes and drain bus lines.

Species A2, Figure 3, a modification of the first basic configuration drawn to a liquid crystal display wherein pixel electrodes are formed such that predetermined gaps in the direction of the substrate surface are kept between edges of the pixel electrodes and drain bus lines in order to prevent the pixel electrodes from overlapping the drain bus line when viewed in a direction perpendicular to the substrate surface.

Species A3, Figure 4, a second basic configuration of a substrate for a liquid crystal display, drawn to a liquid crystal display wherein resin color filter layers are laminated in the same order in the vicinity of the intersection between the gate bus line and the drain bus line to form a resin overlap section to serve as a black matrix.

Species B, Figure 7, Embodiment 1-1, drawn to a transmission type liquid crystal display wherein linear protrusions are formed on a common electrode substrate at an angle to edges of pixel regions. On the TFT substrate, slits and finer slits extending from the slits substantially perpendicularly to the extending direction of the slits are formed at an angle to the edges of the pixel region. The linear protrusions and slits are alignment-regulating structures.

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Species C1, Figure 17, Embodiment 1-2, drawn to a transmission type liquid crystal display wherein dielectric layers are formed above slits.

Species C2, Figure 42, Modification of Embodiment 1-2, drawn to a transmission type liquid crystal display wherein a columnar spacer is structured by only resin CF layers R, B and G laminated in the same order in the vicinity of intersections between gate bus lines and drain bus lines on the TFT substrate.

Species D, Figure 19, Embodiment 1-3, drawn to a transmission type liquid crystal display having a frame pattern for shielding edges of the display area from light formed in the frame region and an alignment mark formed on the glass substrate on a side of the frame region.

Species E, Figure 23, Embodiment 2-1, drawn to a transmission type liquid crystal display having color filters on the TFT substrate side.

Species F, Figure 24, Embodiment 2-2, drawn to a transmission type liquid crystal display device wherein a common electrode substrate has a glass substrate having a thickness smaller than that of a TFT glass substrate and color filter on the TFT substrate.

Species G, Figure 25, Embodiment 3-1, drawn to a transmission type liquid crystal display wherein color filter layers are formed such that they cover all of source/drain metal layers such as drain bus lines.

Species H, Figures 34 A and B, Embodiment 3-2, drawn to a transmission type liquid crystal display wherein a top metal layer is covered by the resin CF layer that is formed first.

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeanne A. Di Grazio whose telephone number is (571)272-2289.


The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached on (571)272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jeanne Andrea Di Grazio
Patent Examiner
Art Unit 2871

JDG


TARIFUR R. CHOWDHURY
PRIMARY EXAMINER